

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(gate) with ("4" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 22:22
L2	8	(gate) with ("3" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 22:22
L3	4	(gate) with ("2" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 22:22
L4	14	L1 or L2 or L3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/05 22:22
S1	2	"6861712"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:44
S2	1	"6410376".PN.	USPAT; USOCR	OR	ON	2005/06/07 14:00
S3	169	Gate with ((metal adj barrier) or (barrier adj metal)) with (second with metal with gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/07 14:17
S4	45	S3 and (gate with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/07 14:18
S5	3	S4 and ((high adj k) or (high-k))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/07 14:18
S6	2	S5 and (barrier with (TaN or TiN or WN))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/07 14:20

## EAST Search History

S7	1	S6 and (work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/07 14:19
S8	6423	(work adj function) and nm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:45
S9	1827	(work adj function) and ("4" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:20
S10	23	S9 and (barrier with "4" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:48
S11	27	S9 and (barrier with "3" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:20
S12	21	S9 and (barrier with "2" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:23
S13	54	S9 and (barrier with "1" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:23
S14	287	(work adj function) and ("4" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:47
S15	549	(work adj function) and ("3" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:47
S16	745	(work adj function) and ("2" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:47

## EAST Search History

S17	1257	(work adj function) and ("1" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:48
S18	13390	(barrier adj layer) with ("4" adsj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:56
S19	343	(barrier adj layer) with ("4" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:49
S20	410	(barrier adj layer) with ("3" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:49
S21	390	(barrier adj layer) with ("2" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:49
S22	269	(barrier adj layer) with ("1" adj nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:50
S23	891	S19 or S20 or S20 or S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:50
S24	9	S23 and (barrier with (work adj function))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:51
S25	7	S23 and (metal with barrier with (work adj function))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:54
S26	0	S25 and (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:54

## EAST Search History

S27	682	(barrier adj layer) with ("4" adsj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:57
S28	2	(barrier adj layer) with ("4" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:09
S29	2	(barrier adj layer) with ("3" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:57
S30	1	(barrier adj layer) with ("2" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:57
S31	4	(barrier adj layer) with ("1" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 15:58
S32	9	S28 or S29 or S30 or S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:06
S33	3	S32 and (work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:01
S34	6	S32 and gate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:03
S35	3	S34 and (work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:01
S36	1	(gate) with ("4" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:09

## EAST Search History

S37	6	(gate) with ("3" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:10
S38	4	(gate) with ("2" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:10
S39	0	(gate) with ("1" adj nm) with (TaN or TiN or WN)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:10
S40	11	S36 or S37 or S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:10
S41	6	S40 and (work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:20
S42	2	S41 and (barrier adj layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/21 16:11
S43	34	(barrier adj layer) with gate with (work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:20
S44	236	257/407.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/18 13:31
S45	1063	438/653.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/18 13:32
S46	47	(barrier adj layer) with gate with (work adj function)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:20

## EAST Search History

S47	0	S46 and ("4" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:20
S48	3	S46 and (barrier with "3" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:21
S49	0	S46 and (barrier with "2" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:23
S50	4	S46 and (barrier with "1" with nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/04 16:23